

**NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE GENERAL SPECIFICATION
SPRING DEVELOPMENT**

(No.)

CODE 574

1. SCOPE

The work shall consist of improving springs and seeps and/or providing collection and storage facilities.

2. PUBLIC AND PRIVATE UTILITIES

Utilities are defined to be overhead and/or underground powerlines, communication lines, and pipelines. All utilities discovered to be in the work area are shown on the drawings or sketches. However, the absence of indicators on the drawings or sketches does not assure the nonexistence of utilities in the work area. The owner/operator shall complete TX-ENG-80, UTILITIES INVENTORY prior to layout or any ground disturbance and return it to an NRCS representative.

3. SITE PREPARATION

All loose rock, sediment, travertine, logs, and vegetation that obstruct the free discharge of the spring shall be removed and disposed of so that they will not endanger the spring development.

The use of explosives for excavation of the spring shall not be permitted.

4. COLLECTION SYSTEM INSTALLATION

The spring water collection system, trenches, drain tiles, perforated pipelines, sumps, and spring boxes shall be constructed to the lines, grades, and dimensions shown on the drawings.

5. MATERIALS

Crushed rock or gravel for collection systems and sand-gravel material for filters shall be composed of clean, hard particles. Drain tile or perforated pipe used in the collection system shall be not less than 4 inches in diameter and of the type material specified. *Geotextiles shall meet or exceed the requirements in Section 10.*

Spring boxes shall be constructed of concrete, sections of galvanized metal or concrete pipe, or other approved material and *shall* have a tight-fitting, removable cover.

Storage facilities shall be constructed from concrete, metal, or other approved material *as shown on the drawings or specified in Section 10.*

6. APPURTENANT SYSTEMS

Storage tanks, water troughs or other facilities for beneficial use of the water shall be constructed as shown on the drawings or as staked in the field.

7. VEGETATIVE COVER

Unless otherwise specified, a protective cover of vegetation shall be established on the disturbed area. The planting of vegetative materials shall conform to the requirements of Practice Specification 342, Critical Area Planting.

8. CONSTRUCTION OPERATIONS

Construction operations shall be carried out in such a manner that erosion and air and water pollution are minimized and held within legal limits. The owner, operator, Contractor or other persons will conduct all work and operations in accordance with proper safety codes for the type of construction being performed with due regards to the safety of all persons and property.

The completed job shall be workmanlike and present a good appearance.

9. MEASUREMENT

Measurement of materials used will be to the nearest linear foot for pipe, nearest 0.1 cubic yard for concrete and filter materials, *square yard for geotextile*, or as otherwise specified in Section 10 or on the drawings.

10. CONSTRUCTION DETAILS